

ORIGINAL

SECTION I - PRODUCT IDENTIFICATION

Manufactured by: DESOTO AEROSPACE COATINGS, INC
SAFETY HEALTH AND ENVIRONMENTAL AFFAIRS
JUL 23 1991
1608 FOURTH STREET
BERKELEY CA 94710
Information Phone: (818) 549-7823
Emergency Phone: (800) 228-5635
CHEMTREC Phone: (800) 424-9300
Product Class: MODIFIED EPOXY
Trade Name : IFT CTNG YELL RULE66 (HM)
Product Code : 823-707
C.A.S. Number: MIXTURE
! Hazard Ratings: Health - 1
! none -> extreme Fire - 3
! 0 ---> 4 Reactivity - 0
! Personal Protection - H

SECTION II - INGREDIENTS

Ingredients	CAS #	Weight %	Exposure Limits		VP mm HG
			ACGIH/TLV	OSHA/PEL	
EPOXY RESIN	037312-33-7	20.	Undetermined		0
*METHYL ISOBUTYL KETONE	000108-10-1	15.	50 ppm	50 ppm	15
		STEL= 75		75	
*XYLENE	001330-20-7	5.	100 ppm	100 ppm	10
		STEL= 150		150	
*ETHYL BENZENE	000100-41-4	< 5.	100 ppm	100 ppm	7.1
		STEL= 125		125	
*STRONTIUM CHROMATE	007789-06-2	10.	.05 AS CR-A1	0.1 mg/M30	
TITANIUM DIOXIDE	013463-67-7	< 5.	10 mg/M3	10 (TOTAL)	0
TALC NON-ASBESTIFORM	014801-96-6	25.	2 (RESPIR.)	2 (RESPIR.)	0
CRYSTALLINE SILICA-QUARTZ	014808-60-7	< 1.	0.1 (RESPIR.)	0.1 (RESPIR.)	0
*METHYL ETHYL KETONE	000078-93-3	15.	200 ppm	200 ppm	74.9
		STEL= 300		300	
*CYCLOHEXANONE	000108-94-1	< 5.	25 SKINppm	25 SKINppm	2

*** ALL Ingredients in this product are listed in the T.S.C.A. Inventory.

PERCENT BY WEIGHT:
TO NEAREST 5% FOR SUBSTANCES 5-95%
<5.0% FOR SUBSTANCES 1.0-5.0%

S=SKIN; C=CEILING LIMIT
NE=NOT ESTABLISHED
NA=NOT APPLICABLE

* -> These items are listed on the SARA TITLE III Section 313 inventory

SECTION III - PHYSICAL DATA

Boiling Range: 175 - 500 Deg. F
Evap. Rate: Slower than n-Butyl Acetate
Volatiles volume: 59.1 %
Appearance: YELLOW LIQUID, SOLVENT ODOR
V.O.C.: 489 GRAMS/LITER
Vapor Density: Heavier than Air.
Liquid Density: Lighter than Water.
Wgt per gallon: 10.67 Pounds.
Spec. Gravity: 1.28

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: FLAMMABLE Flash Point: 36 F Setflash LEL: 1. %

-EXTINGUISHING MEDIA:

EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR FOAM).

-SPECIAL FIRE FIGHTING PROCEDURES:

WATER SPRAY MAY BE INEFFECTIVE. COOL FIRE EXPOSED CONTAINERS WITH WATER. FOG NOZZLES ARE PREFERRED. WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

-UNUSUAL FIRE & EXPLOSION HAZARDS:

VAPORS MAY ACCUMULATE IN INADEQUATELY VENTILATED OR CONFINED AREAS. VAPORS MAY FORM EXPLOSIVE MIXTURES WITH AIR. VAPORS MAY TRAVEL LONG DISTANCES. FLASHBACK OR FLAME TO THE HANDLING SITE MAY OCCUR. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

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SECTION V - HEALTH HAZARD DATA

-PERMISSIBLE EXPOSURE LEVEL

SEE SECTION II (NOT ESTABLISHED FOR PRODUCT).

-EFFECT OF OVEREXPOSURE:

-INHALATION

EXPOSURE MAY CAUSE NASAL AND RESPIRATORY IRRITATION AND ACUTE CENTRAL NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION OR UNCONSCIOUSNESS. ASPHYXIATION MAY RESULT FROM BREATHING OXYGEN DEFICIENT AIR.

-SKIN CONTACT:

PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION, DEFATTING OR DERMATITIS. PROLONGED OR REPEATED SKIN CONTACT MAY ALSO RESULT IN SKIN SENSITIZATION IN SOME INDIVIDUALS.

-EYE CONTACT:

CAUSES IRRITATION.

-INGESTION:

MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

-OTHER HEALTH INFORMATION:

AVOID PROLONGED AND REPEATED CONTACT WITH THIS PRODUCT. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. EFFECTS INCLUDE CONCENTRATION DIFFICULTIES, DIMINISHED ACTUAL DEXTERITY AND MEMORY LOSS. LABORATORY ANIMALS EXPOSED TO HIGH DOSES OF XYLENE SHOWED EVIDENCE OF LIVER, KIDNEY, LUNG, SPLEEN, HEART AND ADRENALS DAMAGE. RATS AND MICE EXPOSED DURING PREGNANCY SHOWED EMBRYO/FETOTOXIC EFFECTS. THE HEXAVALENT CHROMIUM COMPOUND IN THIS PRODUCT IS LISTED AS A CARCINOGEN BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) AND THE NATIONAL TOXICOLOGY PROGRAM (NTP). TITANIUM DIOXIDE DUST CAUSED LUNG TUMORS IN ANIMALS THAT
(cont.)

SECTION V - HEALTH HAZARD DATA (cont.)

-OTHER HEALTH INFORMATION: (cont.)

INHALED MASSIVE AMOUNTS IN ANIMAL STUDIES. EPA HAS REVIEWED TIO₂ DATA AND DETERMINED THAT THE DATA ARE INSUFFICIENT FOR SHOWING THAT TIO₂ CAUSES CHRONIC EFFECTS IN HUMANS.

CRYSTALLINE SILICA HAS BEEN CLASSIFIED BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) AS 2A - PROBABLY CARCINOGENIC TO HUMANS. THIS CLASSIFICATION IS BASED ON THE FINDINGS OF LABORATORY ANIMAL STUDIES THAT WERE CONSIDERED LIMITED FOR CARCINOGENICITY. CRYSTALLINE SILICA IS ALSO A KNOWN CAUSE OF SILICOSIS, A NONCANCEROUS LUNG DISEASE CAUSED BY EXCESSIVE INHALATION OF CRYSTALLINE SILICA. SINCE CRYSTALLINE SILICA IN PAINT IS CONTAINED IN THE LIQUID RATHER THAN IN THE FORM OF DUST, THE RELEVANCE OF THESE DATA TO EXPOSURE TO PAINT IS UNCERTAIN AT THIS TIME.

-MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

PRE-EXISTING SKIN, LUNG AND EYE CONDITIONS.

-FIRST AID:

-INHALATION:

REMOVE TO FRESH AIR FROM EXPOSURE. GIVE ARTIFICIAL RESPIRATION OR CARDIOPULMONARY RESUSCITATION (CPR) IF REQUIRED. IF BREATHING IS DIFFICULT, GIVE OXYGEN. KEEP WARM AND QUIET. GET MEDICAL ATTENTION.

-SKIN CONTACT:

WASH AFFECTED AREAS WITH SOAP AND WATER. DO NOT USE SOLVENTS. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. GET MEDICAL ATTENTION.

-EYE CONTACT:

FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION PREFERABLY FROM AN OPHTHALMOLOGIST.

-INGESTION:

GET MEDICAL ATTENTION.

SECTION VI - REACTIVITY DATA

STABILITY: ☐ Unstable ☒ Stable

HAZARDOUS POLYMERIZATION: ☐ May occur ☒ Will not occur

-INCOMPATIBILITY:

NONE RECOGNIZED UNLESS NOTED BELOW.

-CONDITIONS TO AVOID:

NONE RECOGNIZED UNLESS NOTED BELOW.

-HAZARDOUS DECOMPOSITION PRODUCTS:

PRODUCTS OF COMBUSTION ARE HAZARDOUS INCLUDING CARBON MONOXIDE AND CARBON DIOXIDE.

SECTION VII - SPILL OR LEAK PROCERURES

-ENVIRONMENTAL RELEASES

DEPENDING ON THE QUANTITY AND CIRCUMSTANCES, AN UNAUTHORIZED RELEASE OF THIS MATERIAL TO THE ENVIRONMENT MAY BE REPORTABLE UNDER FEDERAL LAW TO THE NATIONAL RESPONSE CENTER (800-424-8802). STATE AND LOCAL GOVERNMENTAL AGENCIES MAY ALSO HAVE REPORTING REQUIREMENTS OF WHICH YOU SHOULD BE AWARE. REMOVE ALL SOURCES OF IGNITION. WEAR PERSONAL PROTECTIVE EQUIPMENT TO AVOID BREATHING VAPORS AND SKIN AND EYE CONTACT WITH THE SPILLED MATERIAL. USE NON-SPARKING TOOLS. USE EMERGENCY RESPONSE PROFESSIONAL IF MANAGING A RELEASE IS BEYOND THE CAPABILITY OF IN-HOUSE PERSONNEL. FOR SMALL SPILLS, DIKE AND ABSORB WITH INERT MATERIAL.

-WASTE DISPOSAL METHOD:

WHEN DISPOSING OF THIS MATERIAL, ENSURE THAT IT IS PACKAGED, STORED, TRANSPORTED AND OTHERWISE MANAGED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. NO DISPOSAL METHOD IS TO BE USED THAT WOULD POSE AN ENVIRONMENTAL OR HUMAN HEALTH THREAT INCLUDING ANY WHICH WOULD CONTAMINATE GROUND OR SURFACE WATER.

SECTION VIII - SPECIAL PROTECTION INFORMATION:

-RESPIRATORY PROTECTION:

IN AREAS WHERE TLVS IN SECTION II MAY BE EXCEEDED OR IF SPRAY MIST IS PRESENT, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION APPROPRIATE FOR INDICATED COMPONENTS. IN CONFINED AREAS USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATORS. FOLLOW RESPIRATOR MANUFACTURER'S DIRECTIONS AND OSHA REGULATIONS (29 CFR 1910.134) FOR RESPIRATOR USE.

-VENTILATION:

WHERE EMPLOYEES MAY BE EXPOSED, PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP LEVEL OF HAZARDOUS INGREDIENTS IN SECTION II BELOW RECOMMENDED (ACGIH TLV) OR REGULATED (OSHA PEL) LIMIT. WHERE EMPLOYEES WILL NOT BE EXPOSED, KEEP LEVEL BELOW 25% OF LEL IN SECTION II.

-PROTECTIVE GLOVES:

WEAR CHEMICALLY RESISTANT GLOVES.

-EYE PROTECTION:

SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES.

-OTHER PROTECTIVE EQUIPMENT:

AVOID SKIN CONTACT BY USE OF OTHER PROTECTIVE CLOTHING. A SAFETY SHOWER, AN EYE BATH AND WASHING FACILITIES SHOULD BE AVAILABLE.

SECTION IX - SPECIAL PRECAUTIONS

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP CONTAINER TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND FLAME. DO NOT STORE ABOVE 49 DEG C (120 DEG F). STORE FLAMMABLE LIQUIDS IN ACCORDANCE WITH APPLICABLE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODES AND GOVERNMENTAL REGULATIONS. GROUNDING AND BONDING PROCEDURES SHOULD BE FOLLOWED WHEN TRANSFERRING THIS MATERIAL. AVOID FREE FALL OF LIQUID. DO NOT (cont.)

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SECTION IX - SPECIAL PRECAUTIONS (cont.)

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: (cont.)

SMOKE WHERE THIS MATERIAL IS USED OR STORED. DO NOT APPLY TO
HOT SURFACES.

-OTHER PRECAUTIONS:

EMPTY DRUMS MAY CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE
OR WELD ON OR NEAR DRUM.

DO NOT TAKE INTERNALLY. DO NOT DELIBERATELY CONCENTRATE THIS
PRODUCT AND INHALE THE VAPORS. PREVENT PROLONGED CONTACT WITH
CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE REUSE.
VAPORS OF THIS PRODUCT ARE HEAVIER THAN AIR AND MAY COLLECT IN
LOW OR CONFINED AREAS. DO NOT ENTER SUCH AREAS WITHOUT
FOLLOWING APPROPRIATE PROCEDURES INCLUDING AIR MONITORING, USE
OF SUPPLIED AIR IF NECESSARY AND THE PRESENCE OF AN OBSERVER
FOR ASSISTANCE.

OBSERVE PRECAUTIONARY LABEL WARNINGS.